



SEQUENCE LISTING

<110> Wands, Jack R.

de la Monte, Suzanne M

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Ghanbari, Hossein A

<120> DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS

<130> 21486-032 CIP

<140> USSN 09/859,604

<141> 2001-05-17

<150> 09/436,184

<151> 1999-11-08

<160> 13

<170> PatentIn Ver. 2.1

<210> 1

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus  
EGF-like domain

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<222> (2)..(8)

<223> Wherein any Xaa may be any amino acid

<220>

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<222> (10)..(13)

<223> Wherein Xaa is any amino acid.

<220>

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<222> (15)..(24)

<223> Wherein Xaa is any amino acid.

<220>

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<222> (26)

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<220>

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<222> (28)..(35)

<223> Wherein Xaa is any amino acid.

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa  
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Xaa Xaa Xaa Cys  
35

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<211> 758

<212> PRT

<213> Homo sapiens

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Arg Arg Glu Thr Lys His Gly Gly His Lys Asn Gly Arg Lys Gly Gly  
35 40 45

Leu Ser Gly Thr Ser Phe Phe Thr Trp Phe Met Val Ile Ala Leu Leu  
50 55 60

Gly Val Trp Thr Ser Val Ala Val Val Trp Phe Asp Leu Val Asp Tyr  
65 70 75 80

Glu Glu Val Leu Gly Lys Leu Gly Ile Tyr Asp Ala Asp Gly Asp Gly  
85 90 95

Asp Phe Asp Val Asp Asp Ala Lys Val Leu Leu Gly Leu Lys Glu Arg  
100 105 110

Ser Thr Ser Glu Pro Ala Val Pro Pro Glu Glu Ala Glu Pro His Thr  
115 120 125

Glu Pro Glu Glu Gln Val Pro Val Glu Ala Glu Pro Gln Asn Ile Glu  
 130 135 140

Asp Glu Ala Lys Glu Gln Ile Gln Ser Leu Leu His Glu Met Val His  
 145 150 155 160

Ala Glu His Val Glu Gly Glu Asp Leu Gln Gln Glu Asp Gly Pro Thr  
 165 170 175

Gly Glu Pro Gln Gln Glu Asp Asp Glu Phe Leu Met Ala Thr Asp Val  
 180 185 190

Asp Asp Arg Phe Glu Thr Leu Glu Pro Glu Val Ser His Glu Glu Thr  
 195 200 205

Glu His Ser Tyr His Val Glu Glu Thr Val Ser Gln Asp Cys Asn Gln  
 210 215 220

Asp Met Glu Glu Met Met Ser Glu Gln Glu Asn Pro Asp Ser Ser Glu  
 225 230 235 240

Pro Val Val Glu Asp Glu Arg Leu His His Asp Thr Asp Asp Val Thr  
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Tyr Gln Val Tyr Glu Glu Gln Ala Val Tyr Glu Pro Leu Glu Asn Glu  
 260 265 270

Gly Ile Glu Ile Thr Glu Val Thr Ala Pro Pro Glu Asp Asn Pro Val  
 275 280 285

Glu Asp Ser Gln Val Ile Val Glu Glu Val Ser Ile Phe Pro Val Glu  
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Glu Gln Gln Glu Val Pro Pro Glu Thr Asn Arg Lys Thr Asp Asp Pro  
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Glu Gln Lys Ala Lys Val Lys Lys Lys Lys Pro Lys Leu Leu Asn Lys  
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Phe Asp Lys Thr Ile Lys Ala Glu Leu Asp Ala Ala Glu Lys Leu Arg  
 340 345 350

Lys Arg Gly Lys Ile Glu Glu Ala Val Asn Ala Phe Lys Glu Leu Val  
 355 360 365

Arg Lys Tyr Pro Gln Ser Pro Arg Ala Arg Tyr Gly Lys Ala Gln Cys  
 370 375 380

Glu Asp Asp Leu Ala Glu Lys Arg Arg Ser Asn Glu Val Leu Arg Gly  
 385 390 395 400  
 Ala Ile Glu Thr Tyr Gln Glu Val Ala Ser Leu Pro Asp Val Pro Ala  
 405 410 415  
 Asp Leu Leu Lys Leu Ser Leu Lys Arg Arg Ser Asp Arg Gln Gln Phe  
 420 425 430  
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 Thr Pro Lys Glu Thr Gly Tyr Thr Glu Leu Val Lys Ser Leu Glu Arg  
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Gly Thr His Val Trp Pro His Thr Gly Pro Thr Asn Cys Arg Leu Arg  
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Met His Leu Gly Leu Val Ile Pro Lys Glu Gly Cys Lys Ile Arg Cys  
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705 710 715 720

Asp Ser Phe Glu His Glu Val Trp Gln Asp Ala Ser Ser Phe Arg Leu  
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<212> DNA

<213> Homo sapiens

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: EGF-like  
cysteine-rich repeat

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<222> (2)..(5)

<223> Wherein any Xaa may be any amino acid

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<222> (7)..(8)

<223> Wherein Xaa is any amino acid.

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<221> VARIANT

<222> (10)

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 <213> Homo sapiens

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                   20                  25                  30  
 Arg Ala Ala Ser Glu Ala Gly Gly Pro Ala Arg Leu Glu Tyr Tyr Glu  
                   35                  40                  45  
 Asn Glu Lys Lys Trp Arg His Lys Ser Ser Ala Pro Lys Arg Ser Ile  
           50                  55                  60  
 Pro Leu Glu Ser Cys Phe Asn Ile Asn Lys Arg Ala Asp Ser Lys Asn  
           65                  70                  75                  80





Ser Arg Pro Ala Ser Val Asp Gly Ser Pro Val Ser Pro Ser Thr Asn  
 340 345 350

Arg Thr His Ala His Arg His Arg Gly Ser Ala Arg Leu His Pro Pro  
 355 360 365

Leu Asn His Ser Arg Ser Ile Pro Met Pro Ala Ser Arg Cys Ser Pro  
 370 375 380

Ser Ala Thr Ser Pro Val Ser Leu Ser Ser Ser Thr Ser Gly His  
 385 390 395 400

Gly Ser Thr Ser Asp Cys Leu Phe Pro Arg Arg Ser Ser Ala Ser Val  
 405 410 415

Ser Gly Ser Pro Ser Asp Gly Gly Phe Ile Ser Ser Asp Glu Tyr Gly  
 420 425 430

Ser Ser Pro Cys Asp Phe Arg Ser Ser Phe Arg Ser Val Thr Pro Asp  
 435 440 445

Ser Leu Gly His Thr Pro Pro Ala Arg Gly Glu Glu Glu Leu Ser Asn  
 450 455 460

Tyr Ile Cys Met Gly Gly Lys Gly Pro Ser Thr Leu Thr Ala Pro Asn  
 465 470 475 480

Gly His Tyr Ile Leu Ser Arg Gly Gly Asn Gly His Arg Cys Thr Pro  
 485 490 495

Gly Thr Gly Leu Gly Thr Ser Pro Ala Leu Ala Gly Asp Glu Ala Ala  
 500 505 510

Ser Ala Ala Asp Leu Asp Asn Arg Phe Arg Lys Arg Thr His Ser Ala  
 515 520 525

Gly Thr Ser Pro Thr Ile Thr His Gln Lys Thr Pro Ser Gln Ser Ser  
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Val Ala Ser Ile Glu Glu Tyr Thr Glu Met Met Pro Ala Tyr Pro Pro  
 545 550 555 560

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 565 570 575

Val Pro Thr Arg Ser Tyr Pro Glu Glu Gly Leu Glu Met His Pro Leu  
 580 585 590

Glu	Arg	Arg	Gly	Gly	His	His	Arg	Pro	Asp	Ser	Ser	Thr	Leu	His	Thr	595	600	605	
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Gly	Arg	Lys	Gly	Ser	Gly	Asp	Tyr	Met	Pro	Met	Ser	Pro	Lys	Ser	Val	625	630	635	640
Ser	Ala	Pro	Gln	Gln	Ile	Ile	Asn	Pro	Ile	Arg	Arg	His	Pro	Gln	Arg	645	650	655	
Val	Asp	Pro	Asn	Gly	Tyr	Met	Met	Met	Ser	Pro	Ser	Gly	Gly	Cys	Ser	660	665	670	
Pro	Asp	Ile	Gly	Gly	Gly	Pro	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Asn	Ala	675	680	685	
Val	Pro	Ser	Gly	Thr	Ser	Tyr	Gly	Lys	Leu	Trp	Thr	Asn	Gly	Val	Gly	690	695	700	
Gly	His	His	Ser	His	Val	Leu	Pro	His	Pro	Lys	Pro	Pro	Val	Glu	Ser	705	710	715	720
Ser	Gly	Gly	Lys	Leu	Leu	Pro	Cys	Thr	Gly	Asp	Tyr	Met	Asn	Met	Ser	725	730	735	
Pro	Val	Gly	Asp	Ser	Asn	Thr	Ser	Ser	Pro	Ser	Asp	Cys	Tyr	Tyr	Gly	740	745	750	
Pro	Glu	Asp	Pro	Gln	His	Lys	Pro	Val	Leu	Ser	Tyr	Tyr	Ser	Leu	Pro	755	760	765	
Arg	Ser	Phe	Lys	His	Thr	Gln	Arg	Pro	Gly	Glu	Pro	Glu	Glu	Gly	Ala	770	775	780	
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Pro Ala Pro Arg Glu Glu Glu Thr Gly Thr Glu Glu Tyr Met Lys Met  
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Glu Met Gly Arg Leu Gly Pro Ala Pro Pro Gly Ala Ala Ser Ile Cys  
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Gln Met Ser Cys Pro Arg Gln Ser Tyr Val Asp Thr Ser Pro Ala Ala  
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Ser Leu Pro Arg Ala Thr Met Ala Ala Ala Ser Ser Ser Ser Ala Ala  
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 1045 1050 1055

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Arg Ala Asp Pro Gln Gly Cys Arg Arg Arg His Ser Ser Glu Thr Phe  
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Ser Ser Thr Pro Ser Ala Thr Arg Val Gly Asn Thr Val Pro Phe Gly  
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Ala Gly Ala Ala Val Gly Gly Gly Gly Gly Ser Ser Ser Ser Ser Glu  
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Asp Val Lys Arg His Ser Ser Ala Ser Phe Glu Asn Val Trp Leu Arg  
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Pro Gly Glu Leu Gly Gly Ala Pro Lys Glu Pro Ala Lys Leu Cys Gly  
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Ala Ala Gly Gly Leu Glu Asn Gly Leu Asn Tyr Ile Asp Leu Asp Leu  
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